

### **A. Working model of an Ear**

- a. What score does this model get?
- b. Why? **Be sure to explain your reason for the score you give the project.**

*Ear Fact #1: The hammer, anvil and stirrup bones in the middle ear are the smallest bones in the human body. They are full size at birth and all three together could fit on a penny.*

### **B. Ears come in all shapes and sizes.**

- a. Which ones help you hear the music? Why do you think that shape is effective?  
Be sure to sketch your ears.

- b. Based on what you know about sound waves, why do you think some ear shapes are more effective than others?

*Ear Fact #2: A human has 5 muscles in its outer ear, while a cat has 32. This means a cat can rotate its ears 180 degrees to pinpoint sounds.*

